

1 **WHAT IS CLAIMED IS:**

2 1.A puncturing type cable coupling apparatus for connection with a
3 cable comprising a base member and a shell member, wherein
4 the base member has a front panel located on a front end of the base
5 member; two terminal bridges positioned to join with the cable, where each
6 terminal bridge is formed by a claw and an extension hook; and a holding bracket
7 installed on a back side of the front panel and having two compartments within
8 boundaries of the bracket walls; wherein the two terminal bridges are
9 respectively received in the two compartments, and the front panel has two pin
10 slots extending to the compartments; and

11 the shell member has a sunken portion in which two parallel backing
12 blocks are formed, and two wire slots formed on the bottom surface of the shell
13 member extended to the sunken portion for receiving the cable; wherein each
14 backing block is inserted through a lower part of the holding bracket of the base
15 member into the compartment when the shell member and the base member are
16 fitted together.

17 2. The puncturing type cable coupling apparatus as claimed in claim 1,
18 wherein the base member has two open side pockets respectively defined in two
19 sides of the holding bracket; two conductive pins latched onto the terminal
20 bridge through an anchoring means in the middle section of each conductive pin;
21 and two pin slots defined in a back end of the shell member for receiving the two
22 conductive pins to be inserted through the sunken portion to an exterior of the
23 cable coupling apparatus.

24 3. The puncturing type cable coupling apparatus as claimed in claim 2,

1 wherein the base member has two fuse elements respectively placed in the two
2 compartments, wherein the two ends of each fuse element are respectively
3 connected to the terminal bridge and the conductive pin.

4 4. The puncturing type cable coupling apparatus as claimed in claim 2,
5 wherein the shell member has a pair of sliding guides on an upper part of the
6 sunken portion, extending in the transverse direction and parallel to the backing
7 blocks, for receiving a slide cover to be installed between the two sliding guides,
8 and an opening defined in the top surface extended to the sunken portion.

9 5. The puncturing type cable coupling apparatus as claimed in claim 2,
10 the base member has two arresters at a bottom of the holding bracket and
11 respectively on two sides of the holding bracket, whereby the two conductive
12 pins are secured.

13 6. The puncturing type cable coupling apparatus as claimed in claim 1,
14 the base member has two notches defined in a rim of the front panel, one of the
15 notches defined at a top of the front panel and the other notch defined at a bottom
16 of the front panel and corresponding to locations of the two lugs on the shell
17 member, whereby the notches and the lugs are interlocked against each other
18 when the base member and the shell member are fitted together.

19 7. The puncturing type cable coupling apparatus as claimed in claim 1,
20 wherein each claw on the terminal bridge is formed by a U shaped metal plate.

21 8. The puncturing type cable coupling apparatus as claimed in claim 1,
22 wherein each claw on the terminal bridge is formed by two U shaped metal plates,
23 which are arranged one over the other in parallel and both U shaped metal plates
24 are joined on their back side.

1 9. The puncturing type cable coupling apparatus as claimed in claim 1,
2 wherein a back end of the lower part of the holding bracket has two open areas
3 allowing the two backing blocks of the shell member to pass through the open
4 areas to enter the respective compartment when the two members are fitted
5 together.